B/PCT/10 #7

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/088,771

CRF Processing Date: 1/2/2003
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII.
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

PCT10

RAW SEQUENCE LISTING DATE: 01/02/2003
PATENT APPLICATION: **US/10/088,771** TIME: 17:37:55

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01022003\J088771.raw**

```
      <110> APPLICANT: KATO, Kaneyoshi
            TERAUCHI, Jun
            MORI, Masaaki
            SUZUKI, Nobuhiro
            SHIMOMURA, Yukio
            TAKEKAWA, Shiro
            ISHIHARA, Yuji
      <120> TITLE OF INVENTION: Melanin Concentrating Hormone Antagonist
      <130> FILE REFERENCE: 2648USOP
      <140> CURRENT APPLICATION NUMBER: 10/088,771
      <141> CURRENT FILING DATE: 2002-03-19
      <150> PRIOR APPLICATION NUMBER: PCT/JP00/06375
      <151> PRIOR FILING DATE: 2000-09-19
      <150> PRIOR APPLICATION NUMBER: JP 11-266298
      <151> PRIOR FILING DATE: 1999-09-20
      <150> PRIOR APPLICATION NUMBER: JP 11-357889
      <151> PRIOR FILING DATE: 1999-12-16
      <150> PRIOR APPLICATION NUMBER: JP 2000-126272
      <151> PRIOR FILING DATE: 2000-04-20
      <160> NUMBER OF SEQ ID NOS: 16
      <210> SEQ ID NO: 1
      <211> LENGTH: 32
      <212> TYPE: DNA
      <213> ORGANISM: Artificial Sequence
W--> 32 <220> FEATURE:
      <223> OTHER INFORMATION: primer
      <400> SEQUENCE: 1
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      <210> SEQ ID NO: 2
      <211> LENGTH: 32
      <212> TYPE: DNA
      <213> ORGANISM: Artificial Sequence
W--> 42 <220> FEATURE:
      <223> OTHER INFORMATION: primer
      <400> SEQUENCE: 2
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      <210> SEQ ID NO: 3
      <211> LENGTH: 353
      <212> TYPE: PRT
      <213> ORGANISM: Rat
      <400> SEQUENCE: 3
      Met Asp Leu Gln Thr Ser Leu Leu Ser Thr Gly Pro Asn Ala Ser Asn
      1               5                  10                  15
```

RAW SEQUENCE LISTING DATE: 01/02/2003
PATENT APPLICATION: **US/10/088,771** TIME: 17:37:55

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01022003\J088771.raw**

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56 Ile Ser Asp Gly Gln Asp Asn Leu Thr Leu Pro Gly Ser Pro Pro Arg
57             20                  25                  30
58 Thr Gly Ser Val Ser Tyr Ile Asn Ile Ile Met Pro Ser Val Phe Gly
59         35                  40                  45
60 Thr Ile Cys Leu Leu Gly Ile Val Gly Asn Ser Thr Val Ile Phe Ala
61     50                  55                  60
62 Val Val Lys Lys Ser Lys Leu His Trp Cys Ser Asn Val Pro Asp Ile
63 65                  70                  75                  80
64 Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu Phe Leu Leu Gly Met
65                 85                  90                  95
66 Pro Phe Met Ile His Gln Leu Met Gly Asn Gly Val Trp His Phe Gly
67             100                 105                 110
68 Glu Thr Met Cys Thr Leu Ile Thr Ala Met Asp Ala Asn Ser Gln Phe
69         115                 120                 125
70 Thr Ser Thr Tyr Ile Leu Thr Ala Met Thr Ile Asp Arg Tyr Leu Ala
71     130                 135                 140
72 Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg Lys Pro Ser Met Ala
73 145                 150                 155                 160
74 Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser Phe Ile Ser Ile Thr
75                 165                 170                 175
76 Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe Pro Gly Gly Ala Val
77             180                 185                 190
78 Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr Asp Leu Tyr Trp Phe
79         195                 200                 205
80 Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu Pro Phe Val Val Ile
81     210                 215                 220
82 Thr Ala Ala Tyr Val Lys Ile Leu Gln Arg Met Thr Ser Ser Val Ala
83 225                 230                 235                 240
84 Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr Lys Arg Val Thr Arg
85                 245                 250                 255
86 Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val Cys Trp Ala Pro Tyr
87             260                 265                 270
88 Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser Arg Pro Thr Leu Thr
89         275                 280                 285
90 Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu Gly Tyr Ala Asn Ser
91     290                 295                 300
92 Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys Glu Thr Phe Arg Lys
93 305                 310                 315                 320
94 Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln Gly Gln Leu Arg Thr
95                 325                 330                 335
96 Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg Thr Glu Ser Lys Gly
97             340                 345                 350
98 Thr
99 353
101 <210> SEQ ID NO: 4
102 <211> LENGTH: 1074
103 <212> TYPE: DNA
104 <213> ORGANISM: Rat
106 <400> SEQUENCE: 4
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RAW SEQUENCE LISTING DATE: 01/02/2003
PATENT APPLICATION: **US/10/088,771** TIME: 17:37:55

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01022003\J088771.raw**

```
     107 gtcgacatgg atctgcaaac ctcgttgctg tccactggcc ccaatgccag caacatctcc   60
     108 gatggccagg ataatctcac attgccgggg tcacctcctc gcacagggag tgtctcctac  120
     109 atcaacatca ttatgccttc cgtgtttggt accatctgtc tcctgggcat cgtgggaaac  180
     110 tccacggtca tctttgctgt ggtgaagaag tccaagctac actggtgcag caacgtcccc  240
     111 gacatcttca tcatcaacct ctctgtggtg gatctgctct tcctgctggg catgcctttc  300
     112 atgatccacc agctcatggg gaacggcgtc tggcactttg gggaaaccat gtgcaccctc  360
     113 atcacagcca tggacgccaa cagtcagttc actagcacct acatcctgac tgccatgacc  420
     114 attgaccgct acttggccac cgtccacccc atctcctcca ccaagttccg gaagccctcc  480
     115 atggccaccc tggtgatctg cctcctgtgg gcgctctcct tcatcagtat caccctgtg  540
     116 tggctctacg ccaggctcat tcccttccca gggggtgctg tgggctgtgg catccgcctg  600
     117 ccaaacccgg acactgacct ctactggttc actctgtacc agtttttcct ggcctttgcc  660
     118 cttccgtttg tggtcattac cgccgcatac gtgaaaatac tacagcgcat gacgtcttcg  720
     119 gtggccccag cctcccaacg cagcatccgg cttcggacaa agagggtgac ccgcacggcc  780
     120 attgccatct gtctggtctt ctttgtgtgc tgggcaccct actatgtgct gcagctgacc  840
     121 cagctgtcca tcagccgccc gaccctcacg tttgtctact tgtacaacgc ggccatcagc  900
     122 ttgggctatg ctaacagctg cctgaacccc tttgtgtaca tagtgctctg tgagaccttt  960
     123 cgaaaacgct tggtgttgtc agtgaagcct gcagcccagg ggcagctccg cacggtcagc 1020
     124 aacgctcaga cagctgatga ggagaggaca gaaagcaaag gcacctgaac tagt       1074
     126 <210> SEQ ID NO: 5
     127 <211> LENGTH: 262
     128 <212> TYPE: RNA
     129 <213> ORGANISM: Rat
     131 <400> SEQUENCE: 5
     132 gcgaauuggg uaccgggccc ccccucgagg ucgacgguau cgauaagcuu gauaucgaau   60
     133 uccugcagcc cgggggaucc gcccacuagu ucaggugccu uugcuuucug uccucuccuc  120
     134 aucagcuguc ugagcguugc ugaccgugcg gagcugcccc ugggcugcag gcuucacuga  180
     135 caacaccaag cguuuucgaa aggucucaca gagcacuaug uacacaaagg gguucaggca  240
     136 gcuguuagca uagcccaagc ug                                          262
     138 <210> SEQ ID NO: 6
     139 <211> LENGTH: 18
     140 <212> TYPE: DNA
     141 <213> ORGANISM: Artificial Sequence
W--> 142 <220> FEATURE:
     143 <223> OTHER INFORMATION: primer
     145 <400> SEQUENCE: 6
     146 caacagctgc ctcaaccc  18
     148 <210> SEQ ID NO: 7
     149 <211> LENGTH: 18
     150 <212> TYPE: DNA
     151 <213> ORGANISM: Artificial Sequence
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     153 <223> OTHER INFORMATION: primer
     155 <400> SEQUENCE: 7
     156 cctggtgatc tgcctcct  18
     158 <210> SEQ ID NO: 8
     159 <211> LENGTH: 1275
     160 <212> TYPE: DNA
     161 <213> ORGANISM: Human
     163 <400> SEQUENCE: 8
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RAW SEQUENCE LISTING DATE: 01/02/2003
PATENT APPLICATION: **US/10/088,771** TIME: 17:37:55

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01022003\J088771.raw**

```
164 taggtgatgt cagtgggagc catgaagaag ggagtgggga gggcagttgg gcttggaggc   60
165 ggcagcggct gccaggctac ggaggaagac ccccttccca actgcggggc ttgcgctccg  120
166 ggacaaggtg gcaggcgctg gaggctgccg cagcctgcgt gggtggaggg gagctcagct  180
167 cggttgtggg agcaggcgac cggcactggc tggatggacc tggaagcctc gctgctgccc  240
168 actggtccca acgccagcaa cacctctgat ggccccgata acctcacttc ggcaggatca  300
169 cctcctcgca cggggagcat ctcctacatc aacatcatca tgccttcggt gttcggcacc  360
170 atctgcctcc tgggcatcat cgggaactcc acggtcatct tcgcggtcgt gaagaagtcc  420
171 aagctgcact ggtgcaacaa cgtccccgac atcttcatca tcaacctctc ggtagtagat  480
172 ctcctctttc tcctgggcat gcccttcatg atccaccagc tcatgggcaa tggggtgtgg  540
173 cactttgggg agaccatgtg caccctcatc acggccatgg atgccaatag tcagttcacc  600
174 agcacctaca tcctgaccgc catggccatt gaccgctacc tggccactgt ccaccccatc  660
175 tcttccacga agttccggaa gccctctgtg gccaccctgg tgatctgcct cctgtgggcc  720
176 ctctccttca tcagcatcac ccctgtgtgg ctgtatgcca gactcatccc cttcccagga  780
177 ggtgcagtgg gctgcggcat acgcctgccc aacccagaca ctgacctcta ctggttcacc  840
178 ctgtaccagt ttttcctggc ctttgccctg ccttttgtgg tcatcacagc cgcatacgtg  900
179 aggatcctgc agcgcatgac gtcctcagtg gcccccgcct cccagcgcag catccggctg  960
180 cggacaaaga gggtgacccg cacagccatc gccatctgtc tggtcttctt tgtgtgctgg 1020
181 gcaccctact atgtgctaca gctgacccag ttgtccatca gccgcccgac cctcaccttt 1080
182 gtctacttat acaatgcggc catcagcttg ggctatgcca acagctgcct caacccctttt 1140
183 gtgtacatcg tgctctgtga gacgttccgc aaacgcttgg tcctgtcggt gaagcctgca 1200
184 gcccaggggc agcttcgcgc tgtcagcaac gctcagacgg ctgacgagga gaggacagaa 1260
185 agcaaaggca cctga                                                  1275
188 <210> SEQ ID NO: 9
189 <211> LENGTH: 422
190 <212> TYPE: PRT
191 <213> ORGANISM: Human
193 <400> SEQUENCE: 9
194 MeT Ser Val Gly Ala MeT Lys Lys Gly Val Gly Arg Ala Val Gly Leu
195 1               5                  10                  15
196 Gly Gly Gly Ser Gly Cys Gln Ala Thr Glu Glu Asp Pro Leu Pro Asn
197             20                  25                  30
198 Cys Gly Ala Cys Ala Pro Gly Gln Gly Gly Arg Arg Trp Arg Leu Pro
199         35                  40                  45
200 Gln Pro Ala Trp Val Glu Gly Ser Ser Ala Arg Leu Trp Glu Gln Ala
201     50                  55                  60
202 Thr Gly Thr Gly Trp MeT Asp Leu Glu Ala Ser Leu Leu Pro Thr Gly
203 65                  70                  75                  80
204 Pro Asn Ala Ser Asn Thr Ser Asp Gly Pro Asp Asn Leu Thr Ser Ala
205                 85                  90                  95
206 Gly Ser Pro Pro Arg Thr Gly Ser Ile Ser Tyr Ile Asn Ile Ile MeT
207             100                 105                 110
208 Pro Ser Val Phe Gly Thr Ile Cys Leu Leu Gly Ile Ile Gly Asn Ser
209         115                 120                 125
210 Thr Val Ile Phe Ala Val Val Lys Lys Ser Lys Leu His Trp Cys Asn
211     130                 135                 140
212 Asn Val Pro Asp Ile Phe Ile Ile Asn Leu Ser Val Val Asp Leu Leu
213 145                 150                 155                 160
214 Phe Leu Leu Gly MeT Pro Phe MeT Ile His Gln Leu MeT Gly Asn Gly
215                 165                 170                 175
```

RAW SEQUENCE LISTING DATE: 01/02/2003
PATENT APPLICATION: **US/10/088,771** TIME: 17:37:55

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01022003\J088771.raw**

```
216 Val Trp His Phe Gly Glu Thr MeT Cys Thr Leu Ile Thr Ala MeT Asp
217             180                 185                 190
218 Ala Asn Ser Gln Phe Thr Ser Thr Tyr Ile Leu Thr Ala MeT Ala Ile
219         195                 200                 205
220 Asp Arg Tyr Leu Ala Thr Val His Pro Ile Ser Ser Thr Lys Phe Arg
221     210                 215                 220
222 Lys Pro Ser Val Ala Thr Leu Val Ile Cys Leu Leu Trp Ala Leu Ser
223 225                 230                 235                 240
224 Phe Ile Ser Ile Thr Pro Val Trp Leu Tyr Ala Arg Leu Ile Pro Phe
225                 245                 250                 255
226 Pro Gly Gly Ala Val Gly Cys Gly Ile Arg Leu Pro Asn Pro Asp Thr
227             260                 265                 270
228 Asp Leu Tyr Trp Phe Thr Leu Tyr Gln Phe Phe Leu Ala Phe Ala Leu
229         275                 280                 285
230 Pro Phe Val Val Ile Thr Ala Ala Tyr Val Arg Ile Leu Gln Arg MeT
231     290                 295                 300
232 Thr Ser Ser Val Ala Pro Ala Ser Gln Arg Ser Ile Arg Leu Arg Thr
233 305                 310                 315                 320
234 Lys Arg Val Thr Arg Thr Ala Ile Ala Ile Cys Leu Val Phe Phe Val
235                 325                 330                 335
236 Cys Trp Ala Pro Tyr Tyr Val Leu Gln Leu Thr Gln Leu Ser Ile Ser
237             340                 345                 350
238 Arg Pro Thr Leu Thr Phe Val Tyr Leu Tyr Asn Ala Ala Ile Ser Leu
239         355                 360                 365
240 Gly Tyr Ala Asn Ser Cys Leu Asn Pro Phe Val Tyr Ile Val Leu Cys
241     370                 375                 380
242 Glu Thr Phe Arg Lys Arg Leu Val Leu Ser Val Lys Pro Ala Ala Gln
243 385                 390                 395                 400
244 Gly Gln Leu Arg Ala Val Ser Asn Ala Gln Thr Ala Asp Glu Glu Arg
245                 405                 410                 415
246 Thr Glu Ser Lys Gly Thr
247             420
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250 <211> LENGTH: 31
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
W--> 253 <220> FEATURE:
254 <223> OTHER INFORMATION: primer
256 <400> SEQUENCE: 10
257 gtcgacatgg acctggaagc ctcgctgctg c  31
259 <210> SEQ ID NO: 11
260 <211> LENGTH: 31
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
W--> 263 <220> FEATURE:
264 <223> OTHER INFORMATION: primer
266 <400> SEQUENCE: 11
267 actagttcag gtgcctttgc tttctgtcct c  31
269 <210> SEQ ID NO: 12
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VERIFICATION SUMMARY DATE: 01/02/2003
PATENT APPLICATION: **US/10/088,771** TIME: 17:37:56

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\01022003\J088771.raw**

L:32 M:283 W: Missing Blank Line separator, <220> field identifier
L:42 M:283 W: Missing Blank Line separator, <220> field identifier
L:142 M:283 W: Missing Blank Line separator, <220> field identifier
L:152 M:283 W: Missing Blank Line separator, <220> field identifier
L:253 M:283 W: Missing Blank Line separator, <220> field identifier
L:263 M:283 W: Missing Blank Line separator, <220> field identifier
L:273 M:283 W: Missing Blank Line separator, <220> field identifier
L:275 M:283 W: Missing Blank Line separator, <400> field identifier
L:282 M:283 W: Missing Blank Line separator, <220> field identifier